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(54) Title: COMBINATIONS OF ANTISENSE OLIGONUCLEOTIDES DIRECTED AGAINST THYMIDYLATE SYNTHASE MRNA AND USES THEREOF

(57) **Abstract:** Effective combinations of antisense oligonucleotides directed against thymidylate synthase mRNA are provided for use in cancer therapies. Combinations of antisense oligonucleotides have enhanced activity compared to the activity of the individual antisense oligonucleotides when used alone. The combinations may be used in conjunction with one or more chemotherapeutic agents to enhance the effects of the chemotherapeutic(s). Such antisense oligonucleotide combinations constitute improved antisense therapies with application to a variety of cancers or proliferative disorders, including drug resistant cancers.